BRUHATH BANGALORE MAHANAGARA PALIKE, DASARAHALLI ZONE

Office of the Executive Engineer Dasarahalli Division,

MODIFIED SCHEDULE-B

Name of Work: Modified estimate for the work: Construction of culverts Ravindranagara 2nd main in Ward no.13, in Shettyhalli Sub-Division

	Description of work	Unit	Qty	Approved Rates	
				In Figures	In Words (Rs.)
	2	3	4	5	6
	Earthwork excavation for foundation of buildings, culverts, water supply, sanitary lines and electrical conduits either in pits or in trenches 1.5m and above in width, in ordinary soil not exceeding 1.5 m. in depth including dressing the bottom and sides of pits and trenches, stacking the excavated soil clear from edges of excavation with lead up to 50 m. after breaking of clods Complete as per specifications.	Cum	172.20	129.60	Rupees One Hundred Twenty Nine and Sixty Paise Only
2	Providing and laying in position plain cement concrete of nominal mix 1:4:8 using 40mm and down size graded granite metal machine mixed, concrete laid in layers not exceeding 15cms thick, well compacted, in foundation and plinth, including cost of all materials, labour, HOM of machinery, curing Complete as per specifications.	Cum	20.45	3349.08	Rupees Three Thousand Three Hundred Forty Nine and Eight Paise Only
3	Providing and constructing granite / trap / basalt rubble stone masonry in foundation with cement mortar 1:6, edges of stones chistle dressed in courses not less than 15 cms high, bond stones at two m. apart in each course including cost of materials, labour, curing Complete as per specifications.	Cum	17.28	3015.36	Rupees Three Thousand Fifteen and Thirty Six Paise Only
4	Providing and laying in position plain cement concrete of mix 1:2:4 using 20mm and down size graded granite metal machine mixed, concrete laid in layers not exceeding 15cms thick, well compacted, in foundation and plinth, including cost of all materials, labour, HOM of machinery, curing Complete as per specifications.	Cum	4.32	4388.04	Rupees Four Thousand Three Hundred Eighty Eight and Four Paise Only
5	Providing Flush pointing to coursed stone masonry with cement mortar 1:3, 20 mm deep, after raking joints to depth of 20mm nicely lining, including cost of materials, labour, curing Complete as per specifications.	Cum	57.60	66.42	Rupees Sixty Six and Forty Two Paise Only
6	Providing and laying cement concrete using 20mm and down size granite jelly of ready mixed concrete (RMC)for R.C.C works laid in 15cms thick layers and well compacted vibrating, curing, finishing with necessary cement mortar, form works and scaffoldings to withstand pumping of concrete, with all lead and lifts etc., complete (exclusive of cost of steel and fabrication charges.) Ready mixed Cement concrete M-20 (1:1.5:3) for raft foundation, column footing, main and secondary beams. Complete as per specifications.	Cum	40.67	4491.72	Rupees Four Thousand Four Hundred Ninety One and Seventy Two Paise Only

Executive Engineer

EXECUTIVE ENGINEER-2
KRIDL, BBMP, Bangalore

Signaturte of the Contractor

	2	3	4	5	6
	Providing T.M.T steel reinforcement for R.C.C work including straightening, cutting, bending, hooking, placing in position, lapping and / or welding wherever required, tying with binding wire and anchoring to the adjoining members wherever necessary complete as per design (laps, hooks and wastage shall not be measured and paid) cost of materials, labour, HOM of machinery Complete as per specifications.	Q	30.90	5204.52	Rupees Five Thousand Two Hundred Four and Fifty Two Paise Only
	Disposal of debris to the final place of disposal with all lead and lift and as direction by the engineer in charge of the work, lead 10 Km a) Basic rate for haulage of materials as per item No. 17.4/KSRRB : M100-4.1 ..... Rs. 2.00 Tonne/Km b) Average earth of work 1.28 Tonne/Km for Rs. 2.00/Km c) Add loading and unloading Complete as per specifications.	Cum	172.20	72.71	Rupees Seventy Two and Seventy One Paise Only
IRL-					
9	Providing and removing centering, shuttering, strutting, propping etc., and removal of form work for vertical surface such as walss at any thickness,including attached pilasters, buttresses, plinth and string courses cost of all materials, labour complete as per specification. Specification No. KSRB 4.6.9	Sqm	404.00	555.44	Rupees Five Hundred Fifty Five and Forty Four Paise Only
10	Providing & laying reinforeced cement precast slabs of mix CC 1:11/2:3 using 20mm & down size graded Granite metal using HYSD 10mm dia steel @ 100mm c/c both ways & Complete as per specfications.	Sqm	128.70	1963.60	Rupees One Thousand Nine Hundred Sixty Three and Sixty Paise Only

Executive Engineer,
Dasarahalli Division,

EXECUTIVE ENGINEER-2
KRIDL, BBMP, Bangalore

Signature of the Contractor

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Bruhath Bangalore Mahanagara Palike Dasarahalli Zone

me of Work: Modified est. of Construction of culverts in 2nd main road in Ravindranagara , Ward no. 13, in Shettyhalli Sub-Division.

Est .Cost Rs. 9.90 Lakhs

	Description of Items	Unit	No	L	B	D	Qty	Rate	Amount
	KSRB-2-2:1 Earthwork excavation for foundation of buildings, culverts, water supply, sanitary lines and electrical conduits either in pits or in trenches 1.5m and above in width, in ordinary soil not exceeding 1.5 m. in depth including dressing the bottom and sides of pits and trenches, stacking the excavated soil clear from edges of excavation with lead up to 50 m. after breaking of clods complete as per specifications. Specification No. KBS 2.1(a)/ 2.3.5, Page No. 5/ Item No. 2.3/ PWD SR 2012-13								
	2nd cross rcc drain	Cum	1	65.00	1.10	1.20	85.80		
	Culverts		6	6.00	2.00	1.20	86.40		
							172.20	129.60	**22317**
	KSRB 4-1.2: Providing and laying in position plain cement concrete of nominal mix M 10 with OPC cement @ 220kgs, with 40mm and down size graded granite metal machine mixed, concrete laid in layers not exceeding 15cms thick, well compacted, in foundation and plinth, including cost of all materials, labour, HOM of machinery, curing complete as per specifications. Specification No. KBS : 4.1, 4.2 Page No. 12/ Item No. 4.2/ PWD SR 2012-13								
	2nd cross rcc drain	Cum	1	65.00	1.10	0.15	10.73		
	Culverts		6	6.00	1.80	0.15	9.72		
							20.45	3349.08	**68472**
3	KSRB 5.3-3 Providing and constructing granite / trap / basalt rubble stone masonry in foundation with cement mortar 1:6, edges of stones chistle dressed in courses not less than 15 cms high, bond stones at two m. apart in each course including cost of materials, labour, curing complete as per specifications.KBS 5-1.13 Page No. 26/ Item No. 5.9/ PWD SR 2012-13.	Cum							
	For Culverts		6	6.00	0.60	0.80	17.28		
							17.28	3015.36	**52105**
4	KSRB 4.2.2 : Providing and laying in position reinforced cement concrete of design mix M20 with OPC cement @ 340kgs, with with 20mm and down size graded granite metal, machine mixed, concrete laid in layers not exceeding 15 cms thick, vibrated for all works in foundation plinth and ground floor level for roof slabs, staircase, lintels, retaining walls, return walls, walls (any thickness) including attached plasters, columns, piers, abutments, pillars, posts, struts, buttresses, string or lacing courses, parapets, coping, bed blocks, anchor blocks, plain window cills, fillets etc., including cost of all materials, labour, HOM of machinery, curing, complete as per specifications. Specification No. KBS 4.1, 4.5 ,P.13/I.4.11/ PWD SR 2012-13								
	Culverts coping		12	6.00	0.60	0.10	**4.32**	4388.04	**18956**
5	KSRB 15.1.3: Providing Flush pointing to coursed stone masonry with cement mortar 1:3, 20 mm deep, after raking joints to depth of 20mm nicely lining, including cost of materials, labour, curing complete as per specifications.								

		12	6.00		0.80	**57.60**	66.42	**3826**
KSRB 4.2.2 : Providing and laying in position reinforced cement concrete of design mix M20 with OPC cement @ 340kgs, with with 20mm and down size graded granite metal, machine mixed, concrete laid in layers not exceeding 15 cms thick, vibrated for all works in foundation plinth and ground floor level for roof slabs, staircase, lintels, retaining walls, return walls, walls (any thickness) including attached plasters, columns, piers, abutments, pillars, posts, struts, buttresses, string or lacing courses, parapets, coping, bed blocks, anchor blocks, plain window cills, fillets etc., including cost of all materials, labour, HOM of machinery, curing, complete as per specifications. Specification No. KBS 4.1, 4.5 ,P.13/I.4.11/ PWD SR 2012-13								
Walls	Cum	2x1	65.00	0.15	0.80	15.60		
Bed		1	65.00	0.60	0.15	5.85		
						21.45		
For Culvert Covering	Cum	6	6.00	1.80	0.23	14.90		
For Culvert Coping		12	6.00	0.60	0.10	4.32		
						40.67		
						40.67	4491.72	**182696**
KSRB 4.9.2: Providing T.M.T steel reinforcement for R.C.C work including straightening, cutting, bending, hooking, placing in position, lapping and / or welding wherever required, tying with binding wire and anchoring to the adjoining members wherever necessary complete as per design (laps, hooks and wastage shall not be measured and paid) cost of materials, labour, HOM of machinery complete as per specifications.Specification No. KBS 4.6.3 Page No. 19/ Item No. 4.46/ PWD SR 2012-13								
	Qtls		36.35	X	85kgs	30.90		
						30.90	5204.52	**160824**
Disposal of debris to the final place of disposal with all lead and lift and as direction by the engineer in charge of the work, lead 10 Km a) Basic rate for haulage of materials as per item No. 17.4/KSRRB : M100-4.1 ..... Rs. 2.00 Tonne/Km b) Average earth of work 1.28 Tonne/Km for Rs. 2.00/Km c) Add loading and unloading Item No. 17.1 KSRRB M 100-1 Rs. 62.20 (P.147 I.18.57/1)								
Qty Vide Item No=1+5	Cum					**172.20**		
Qty Limited to						**172.20**	72.71	**12521**
(For 3 km = 3 x 1.28 x 2.0)	7.68							
Loading and Unloading Charges	62.20							
	69.88							
Area Weightage @ 6%	4.19							
Total	**74.07**							
EIRL								
KSRB 4-6.9: Providing and removing centering, shuttering, strutting, propping etc., and removal of form work for vertical surface such as walss at any thickness,including attached pilasters, buttresses, plinth and string courses cost of all materials, labour complete as per specification. Specification No. KSRB 4.6.9 Page No. 17/ Item No. 4.36/ PWD SR 2012-13	Sqm							
for RCC drain Walls		2x2	65.00		1.00	260.00		
		6	6.00		1.00	144.00		
						404.00	555.44	**224398**
Basic Rate	524.00							
Area Weightage @ 6%	31.44							
	555.44							

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Providing & laying reinforeced cement precast slabs of mix CC 1:11/2:3 using 20mm & down size graded Granite metal using HYSD 10mm dia steel @ 100mm c/c both ways & Complete as per specfications.	Sqm							
		1	65.00	0.90		58.50		
		130	0.60	0.90		70.20		
Missing slabs								
Approved Rate of Precast slab	1963.6					128.70	1963.6	252715
Data rate for precast slab of 100MM thick								
								170
Miscellaneous and unforseen Charges								
							Total	999000
(Rupees Nine Lakhs NinetyNine Thousand Only)								

CERTIFICATE

1 The Work spot has been inspected and the work found to be necessary
2 The Estimate is prepared as per the PWD SR 2012-13
3 The Provision made in estimate are adequate and essential
4 This area comes under BBMP limits.

Asst Engineer
Ward No-13

Asst Executive Engineer
Shettyhalli Sub-Division
BBMP

Executive Engineer 3/2
Dasarahalli Zone
BBMP

ಸದರಿ ಕಾಮಗಾರಿಯ ಕೆಲಸವನ್ನು ಪ್ರಾರಂಭಿಸಲು ಅನುಮತಿ ಕೊಡಲಾಗಿದೆ ಮತ್ತು ಕಾಮಗಾರಿಯನ್ನು ಪೂರ್ಣಗೊಳಿಸಿದ ನಂತರ ಕಡ್ಡಾಯವಾಗಿ ಪೂರ್ಣಗೊಳಿಸಿದ ಬಗ್ಗೆ ಪ್ರಮಾಣ ಪತ್ರವನ್ನು ಸಲ್ಲಿಸಲು ಸೂಚಿಸಿದೆ.

EXECUTIVE ENGINEER
Bruhat Bangalore Mahanagara Palike
Dasarahalli Zone, Bangalore-57

ಸಂ. ಆಇ/100/ಪಿ/ಸಿ/ ದಿನಾಂಕ : 04/2/2014
ರೂ. 9.99 Lakh (Rupees Nine lakh Ninty nine Thousand only)
ಗಳ ಅಂದಾಜು ಪಟ್ಟಿಗೆ ತಾಂತ್ರಿಕ ಮಂಜೂರಾತಿ ನೀಡಿದೆ
ಕಾರ್ಯಪಾಲಕ ಅಭಿಯಂತರರು
ಬಿ.ಬಿ.ಎಂ.ಪಿ.ದಾಸರಹಳ್ಳಿ ವಿಭಾಗ
ದಾಸರಹಳ್ಳಿ ವಲಯ, ಬೆಂಗಳೂರು
4/2/14